

Kake Access Kake and Petersburg Community Survey Report

Prepared for:

Federal Highway Administration and
Alaska Department of Transportation &
Public Facilities

On behalf of:

Robert Peccia & Associates, Inc.

February 15, 2016



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Executive Summary

Robert Peccia & Associates, Inc. contracted with McDowell Group to conduct a survey of households in Kake and Petersburg/Kupreanof for the Federal Highway Administration and Alaska Department of Transportation & Public Facilities (DOTPF).

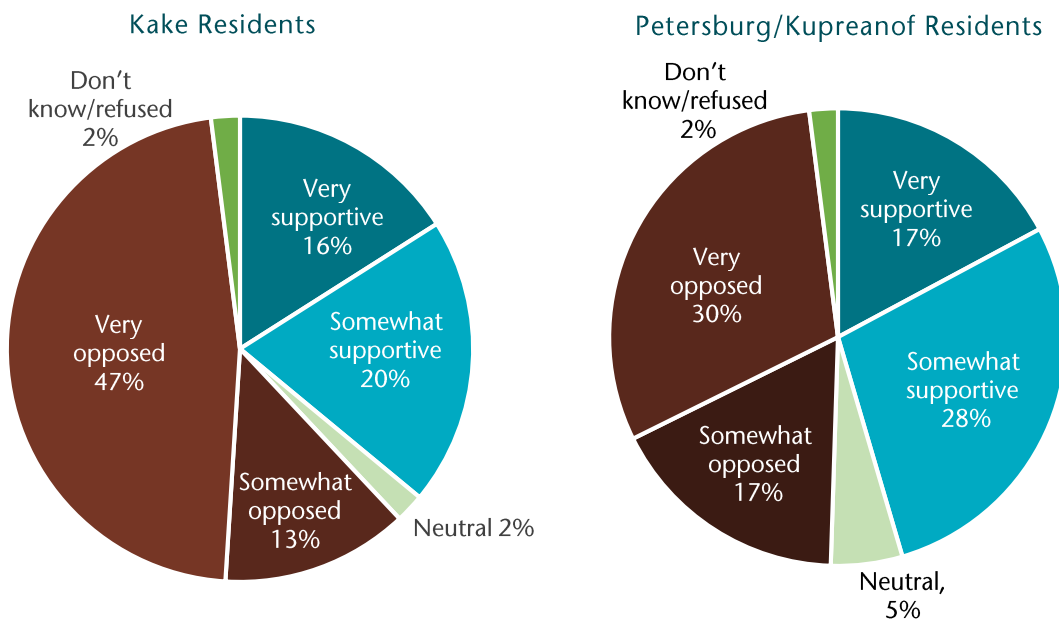
Two separate surveys were conducted. An in-person survey in Kake was conducted in November 2015 and included a sample of 195 adults in the community. A telephone survey of Petersburg/Kupreanof residents in January 2016 was administered to 300 adults in that community. Both surveys gathered information about opinions and preferences regarding the Kake Access Project, a proposed road and shuttle ferry connection between Kake and Petersburg. Following are key results of the two surveys.

Support for the Kake Access Project

Respondents in both communities were asked to gauge their level of support for the Kake Access Project, given their current understanding of the proposed road.

- Almost half (47 percent) of Kake residents are very opposed to the project, while another 13 percent are somewhat opposed and 36 percent are very or somewhat supportive.
- Forty-seven percent of Petersburg/Kupreanof residents are either very or somewhat opposed to the project, while 45 percent are very or somewhat supportive. Few respondents are neutral about the project (2 percent from Kake and 5 percent from Petersburg/Kupreanof).

Level of Support for Kake Access Project



Understanding of the Project

- Almost all Petersburg/Kupreanof and Kake residents have heard of the Kake Access Project (96 percent from Kake and 95 percent from Petersburg/Kupreanof).
- Sixty-eight percent of Kake residents received information on the project from friends, family, or word-of-mouth, while only 36 percent of Petersburg/Kupreanof residents received information that way.
- A much larger proportion of Petersburg/Kupreanof residents received information from newspaper and radio: 60 percent from newspaper and 41 percent from radio, versus 2 percent from newspaper and 1 percent from radio in Kake.
- Approximately three-quarters of respondents in each community who received information on the project found the information received somewhat or very useful. More Kake residents (23 percent) reported the information not useful than did Petersburg/Kupreanof residents (13 percent).
- Overall, a larger proportion of Petersburg/Kupreanof respondents (57 percent) felt adequately informed about the project than did Kake residents (49 percent).

Information About the Project

- Fifty-six percent of Kake respondents would like to receive more information on the project, as would 42 percent of Petersburg/Kupreanof respondents.
- Information frequently requested includes a project timeline, cost estimates, road maintenance information, environmental impacts, and general information about the project.
- Residents from both communities prefer to receive information by mailed newsletter (61 percent of Kake respondents and 46 percent from Petersburg/Kupreanof) and emailed newsletter (35 percent from Kake and 40 percent from Petersburg/Kupreanof).

Improved Access to Kake

- Forty-nine percent of Kake residents do not feel it is important for Kake residents to have better access to larger communities in the region, while 46 percent believe better access is somewhat or very important.
- A larger proportion of Petersburg/Kupreanof residents feel such access is important for Kake residents: 71 percent feel it is somewhat or very important.

Projected Use of the Road

- On average, Kake residents anticipate they will use the road for 7 trips to or through Petersburg per year. This average includes 48 percent of respondents who anticipate they will not take any trips.
- Petersburg/Kupreanof residents anticipate they will use the road to travel to Kake an average of 1.8 times per year, including 53 percent who do not anticipate taking any trips to Kake on the road.
- If ferry service is reduced to Kake due to Alaska Marine Highway System (AMHS) budget deficits, 35 percent of Kake respondents expect their use of the road will increase.
- If AMHS service is reduced to Petersburg, 19 percent of Petersburg/Kupreanof residents anticipate their use of the road to Kake will increase.
- Fifty-one percent of Kake residents and 61 percent of Petersburg/Kupreanof residents report they would be somewhat or very likely to use the road for subsistence or recreation.
- Kake respondents anticipate taking 16.6 trips per year on average for this subsistence or recreation, while Petersburg/Kupreanof respondents anticipate taking fewer trips on average: 5.4 annually.

Concerns about the Road

- Approximately 60 percent of both Kake and Petersburg/Kupreanof residents report concerns about the proposed road between Kake and Petersburg. The types of concern vary by community.
- Thirty-six percent of these Kake residents are most concerned about drug trafficking/increased drug use/increased crime, while 31 percent are concerned with too many people coming to Kake.
- Half (53 percent) of Petersburg/Kupreanof respondents who have concerns are most concerned about the cost, while 22 percent are concerned about road maintenance.

Opportunities Associated with the Road

- Half of respondents from each community believe the road connection between Kake and Petersburg/Kupreanof will create opportunities for Kake.
- Opportunities identified as most important by these Kake residents include more jobs (39 percent), cheaper groceries and other goods (29 percent), opportunity to get out of Kake more easily (21 percent), and access to new subsistence areas (18 percent).
- Petersburg/Kupreanof residents identify opportunities for business sales to Kake residents (45 percent), recreation opportunities (23 percent), and subsistence opportunities (23 percent).

Introduction and Methodology

Introduction

Robert Peccia & Associates, Inc. contracted with McDowell Group to conduct community surveys in Petersburg/Kupreanof and Kake for the Federal Highway Administration and Alaska Department of Transportation & Public Facilities. The purpose of the surveys was to understand resident opinions and preferences regarding the Kake Access Project, a proposed road and shuttle ferry connection between Kake and Petersburg.

The surveys inquired about residents' understanding of and support for the Kake Access Project. Residents were also queried about their projected use of the road, their needs for transportation and access to services in larger communities, and their concerns and perception of opportunities regarding the proposed road.

Methodology

Kake Community Survey

Two survey teams (two people in each team) administered the survey in Kake between November 14 and 20, 2015. The teams attempted to contact adult residents in all occupied houses in the community. All available adults in each household were asked to complete a separate survey. In addition to surveying at homes, the teams also surveyed staff at Kake schools, the Organized Village of Kake, and Kake Tribal Corporation. Residents were also contacted by surveyors at the Kake SEARHC clinic and SOS True Value Hardware. The survey instrument is included in Appendix A of this report.

According to Alaska Department of Labor and Workforce Development's (ADOLWD) 2014 population estimate, the population of Kake in 2014 totaled 626 residents. According to the 2010 Census, 76 percent of the population was 18 years of age and over at the time of the census. Assuming that percentage held true in 2014, Kake's population in 2014 included 476 residents 18 years of age and over. Based on that estimate, the survey included 41 percent of Kake residents aged 18 and over. The number of residents 18 and over actually in Kake at the time of the survey is less than the total number of Kake residents 18 and over, as students, shift workers, seasonal residents, and others are counted as residents, but may not reside in the community year-round. Permanent Fund Dividend applications, which include place of residence, are a primary input in ADOLWD's population estimate methodology.

Petersburg Community Survey

Petersburg residents 18 years and older were surveyed by telephone between January 6 and January 10, 2016. In total, 300 surveys were completed. Survey responses were limited to one respondent per household. McDowell Group purchased a random sample of landlines and cell phone numbers in the community. Additional phone numbers for Kupreanof residents were obtained through the City of Kupreanof and incorporated into the larger phone list. The survey instrument is included in Appendix B of this report.

Kake Community Survey Results

Understanding of the Kake Access Project

Survey respondents were asked about their access to information about the Kake Access Project and their understanding of the project. Almost all respondents (96 percent) have heard of the proposed project. When asked about their sources for information on the project, 68 percent of respondents reported receiving information from friends, family, or word-of-mouth, while 12 percent received information from a newsletter, 12 percent from attending a meeting, 11 percent from a flier or poster about the project, and 7 percent from the internet. A smaller percentage of respondents received information from a variety of other sources, including mail, the Organized Village of Kake (OVK), and media outlets (newspaper, radio, or TV).

Sources of information on the Kake Access Project
(Base: Those who have heard of the Kake Access Project)
(Multiple answers allowed)

n=187	% of Base
Friend/family/word-of-mouth	68
Newsletter	12
Attended meeting	12
Poster/Flier	11
Website/internet/Facebook	7
Mail	4
Organized Village of Kake (OVK)	3
Newspaper	2
Radio	1
TV	1
Work or used to work there	1
None; haven't received information	1
Other	6
Don't know/refused	3

Fifty-nine percent of respondents who received information on the project found the information somewhat useful and 14 percent reported it very useful. Almost one-quarter (23 percent) did not find the information they received useful. Nearly half (49 percent) of respondents who received information felt adequately informed about the Kake Access Project, while 45 percent did not.

Usefulness of Information Received on Kake Access
(Base: Those who have received information on the Kake Access Project)

n=185	% of Base
Very useful	14
Somewhat useful	59
Not useful	23
Don't know/refused	4

At the time of the survey, over half (56 percent) of respondents indicated they would like to receive more information on the project. Among respondents who would like additional information, information desired includes a project timeline (56 percent), information on costs (46 percent), road maintenance (43 percent), and environmental impacts (43 percent). A smaller proportion of respondents desire information on route/length (7 percent), usage (6 percent), pros/cons of the project (5 percent), and general information (5 percent). Six percent of respondents requested information on results of this survey.

Additional Information Desired About the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

n=110	% of Base
Project timeline	56
Cost	46
Road maintenance	43
Environmental impacts	43
Route/length	7
Survey results	6
Usage	6
General information	5
Pros/cons	5
None	1
Other	21
Don't know/refused	4

Respondents who would like more information on the project prefer to receive information through a mail newsletter (61 percent), email newsletter (35 percent), informational meetings (15 percent), and Facebook (7 percent), among other sources.

Preferred Methods for Receiving News about the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

n=110	% of Base
Mailed newsletter	61
Emailed newsletter	35
Informational meetings	15
Facebook	7
DOTPF website	3
None; would prefer not to receive news	1
Don't know/refused	1

Projected Use of the Road

Half (49 percent) of respondents feel it is not important for Kake residents to have better access to services available in larger communities in the region, while one quarter (25 percent) feel better access is very important, and 21 percent feel it is somewhat important.

Importance for Kake Residents of Better Access to Larger Communities in the Region

n=195	% of Total
Very important	25
Somewhat important	21
Not important	49
Don't know/refused	5

On average, respondents anticipate using the road for seven trips to or through Petersburg per year. This average includes 48 percent of respondents who do not anticipate taking any trips to Petersburg on the road.

Anticipated Annual Frequency of Travel on the Road between Kake and Petersburg

n=195	% of Total
Number of trips per year	
1	5
2	6
3-6	9
7-20	10
21+	14
None	48
Don't know/refused	7
Average number of trips per year	7.0 trips

The survey noted that budget deficits may require the Alaska Marine Highway System (AMHS) to reduce ferry service to communities, including Kake. A third (35 percent) of respondents anticipate decreased AMHS service to Kake would increase their use of the road to Petersburg, while 53 percent do not, and 12 percent do not know or did not answer.

Aside from providing a link to Petersburg, the Kake Access Project would increase access to portions of Kupreanof Island for subsistence and recreation. Thirty percent of respondents indicate they would be very likely to use the proposed road for subsistence or recreation, while 21 percent were somewhat likely. Forty-five percent of respondents report they are not likely to use the road for these purposes.

Likelihood of Using the New Road to Access More Areas of Kupreanof Island for Subsistence or Recreational Purposes

n=195	% of Total
Very likely	30
Somewhat likely	21
Not likely	45
Don't know/refused	4

On average, respondents who would use the road for subsistence or recreation anticipate taking an average of 16.6 trips per year on the road for this purpose.

Number of Trips Anticipated on the New Road for Recreational or Subsistence Purposes
(Base: Those who would use a new road for subsistence or recreational purposes)

n=94	% of Base
Number of trips per year	
0-3	16
4-5	22
6-20	20
21-30	14
31+	14
Don't know/refused	14
Average number of trips per year	16.6 trips

Opportunities and Concerns

Concerns About the Road

Sixty-one percent of respondents have concerns about the road connection between Kake and Petersburg, while 35 percent do not. Over a third (36 percent) of respondents who have concerns are most concerned about drug trafficking/increased drug use/increased crime, while 31 percent are concerned with too many people coming to Kake, 21 percent about winter safety, 18 percent about competition for subsistence resources and illegal hunting/poaching, 13 percent about accidents/drunk driving, 9 percent about road maintenance, 7 percent about further loss of AMHS service, 4 percent about increased law enforcement, and 3 percent about inconvenient shuttle ferry schedules during the trip between Kake and Petersburg.

Top Concerns about the Road between Kake and Petersburg
(Base: Those with concerns about a road connection between Kake and Petersburg)

n=118	% of Base
Drug trafficking/increased drug use/increased crime	36
Too many new people coming	31
Winter safety concerns	21
Subsistence hunting competition/illegal hunting/poaching	18
Accidents/Drunk Driving	13
Road maintenance	9
Further loss of AMHS service	7
Increase law enforcement (VPSO/Troopers)	4
Inconvenient shuttle ferry schedules	3
I don't own a vehicle	1
Other	20
Don't know/refused	-

Opportunities Associated with the Road

Slightly more than half (53 percent) of respondents believe the road connection between Kake and Petersburg would create opportunities for Kake, while 39 percent do not believe it will. Those who do believe the road will create opportunities report the most important opportunities include more jobs (39 percent), cheaper groceries and other goods (29 percent), an opportunity to get out of Kake more easily (21 percent), access to new subsistence areas (18 percent), and access to medical services (13 percent). Other opportunities, such as cheaper power, economic growth, and a cheaper way to get out of Kake were identified as most important by less than 10 percent of respondents.

Most Important Opportunities Associated with the Road between Kake and Petersburg (Base: Those who believe that a road would create opportunities for Kake)

n=77	% of Base
More jobs	39
Cheaper groceries and other goods	29
Easier to get out of Kake	21
Access to new subsistence areas	18
Access to medical services	13
Cheaper power	9
Economic growth	9
Cheaper to get out of Kake	8
Other	32
Don't know/refused	8

Support for the Kake Access Project

Respondents were asked to report their level of support for the Kake Access Project. More respondents are opposed to the project than supportive: almost half (47 percent) are very opposed, and an additional 13 percent are somewhat opposed. Slightly over one-third (36 percent) are very or somewhat supportive of the project, and only two percent report being neutral about it.

Level of Support for a Road Connection between Kake and Petersburg?

n=195	% of Total
Very supportive	16
Somewhat supportive	20
Neutral	2
Somewhat opposed	13
Very opposed	47
Don't know/refused	2

Residents who learned about the project from friends/family/word-of-mouth were more inclined to oppose the project: 80 percent who were very opposed learned about the project in that way. Only 4 percent of residents who were very opposed learned about the project through a newsletter and 9 percent had attended a meeting.

Less than half (47 percent) of residents very supportive of the project reported learning about the project from friends/family/word-of-mouth.

Level of Support for the Kake Access Project by Sources of Information on the Project
(Multiple answers allowed)

Level of Support	Friends/Family /Word-of-Mouth	News letter	Attended Meeting	Poster/ Flier	Website/ Internet/ Facebook	Mail	OVK	News paper
Very Supportive (n=30)	47%	13%	20%	23%	13%	7%	10%	3%
Supportive (n=37)	68	22	16	5	5	5	-	5
Opposed (n=25)	60	24	8	16	12	4	-	-
Very Opposed (n=89)	80	4	9	6	4	-	3	1

Kake residents who were very supportive of the project were more likely to feel adequately informed about the project: 70 percent felt informed, versus 23 percent who did not feel informed. In comparison, residents with other degrees of support or opposition were much less likely to report feeling informed about the project, including nearly two-thirds (64 percent) of residents opposed, but not very opposed.

Support for Kake Access Project by Whether or Not Respondents Feel Adequately Informed
(Base: Those who have heard of the Kake Access Project)

n=187	Feel Informed	Do Not Feel Informed	Don't Know
Very supportive (n=30)	70	23	7
Supportive (n=37)	41	49	11
Opposed (n=25)	36	64	-
Very opposed (n=89)	51	44	6

Demographics

Average age of respondents is 48.8 years old, with a median age of 48. Average household size is 3.6 people, average household income is \$42,600, and the median income is \$38,000.

The American Community Survey (ACS) 2010-2014 5-Year Data indicates median household income in Kake of \$38,750 (in 2014 inflation-adjusted dollars). ACS data indicates a median age in Kake of 39.9 years, which includes residents of all ages.

Demographics

n=195	% of Total
Gender	
Female	48
Male	50
Not Recorded	2
Age	
18 – 29	16
30 – 44	26
45 – 59	30
60+	28
Average respondent age	48.8 years
Median respondent age	48.0 years
Household Size	
1	8
2	24
3	27
4	17
5	9
6+	14
Average household size	3.6 people
Income	
Less than \$15,000	10
\$15,001 – \$25,000	18
\$25,001 – \$50,000	12
\$50,001 – \$75,000	8
\$75,001 – \$100,000	6
\$100,001 – \$125,000	1
\$125,001 – \$150,000	2
Over \$150,000	1
Don't know/refused	42
Average household income	\$42,600
Median household income	\$38,000

Note: percentages may not sum to 100 due to rounding.

Petersburg/Kupreanof Community Survey Results

Understanding of the Kake Access Project

Survey respondents were asked about their access to information about the Kake Access Project and their understanding of the project. Almost all Petersburg/Kupreanof residents (95 percent) have heard of the proposed project.

The largest proportion (60 percent) of Petersburg/Kupreanof residents received information on the project from the newspaper, followed by 41 percent who received information from the radio. Thirty-six percent received information from friends, family, or word-of-mouth, 15 percent from attending meetings, 6 percent from newsletters, 6 percent from the internet, and 5 percent from TV. A smaller percentage of respondents received information from other sources, including working in Kake and poster/fliers.

Sources of information on the Kake Access Project
(Base: Those who have heard of the Kake Access Project)
(Multiple answers allowed)

n=285	% of Base
Newspaper	60
Radio	41
Friend/family/word-of-mouth	36
Attended meeting	15
Newsletter	6
Website/internet/Facebook	6
TV	5
Work or use to work there	2
Poster/flier	1
Mail	--
Organized Village of Kake	--
None; haven't received information	3
Other	1
Don't know/refused	1

Sixty percent of Petersburg/Kupreanof residents who received information on the project found the information somewhat useful, 19 percent reported it very useful, and 13 percent did not find the information useful. Fifty-seven percent of respondents who received information felt adequately informed about the Kake Access Project, while 36 percent did not.

Usefulness of Information Received on Kake Access
(Base: Those who have received information on the Kake Access Project)

n=277	% of Base
Very useful	19
Somewhat useful	60
Not useful	13
Don't know/refused	8

Forty-two percent of Petersburg/Kupreanof residents indicated they would like to receive more information on the project. Among respondents who would like additional information, 42 percent desire more information on costs, 26 percent on project timeline, 22 percent desire general information on the project, 18 percent on road maintenance, 17 percent on environmental impacts, 15 percent on route/length, and 14 percent on purpose/usage.

Additional Information Desired About the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

n=125	% of Base
Cost	42
Project timeline	26
General information	22
Road maintenance	18
Environmental impacts	17
Route/length	15
Survey results	--
Purpose/usage	14
Pros/cons	--
None	1
Other	24
Don't know/refused	6

Respondents who would like more information on the project prefer to receive information through a mail newsletter (46 percent), email newsletter (40 percent), the Department of Transportation and Public Facilities (DOTPF) website (15 percent), and informational meetings (14 percent), among other sources.

Preferred Methods for Receiving News about the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

n=124	% of Base
Mailed newsletter	46
Emailed newsletter	40
DOTPF website	15
Informational meetings	14
Facebook	8
Newspaper	6
Radio	5
Other	2
None; would prefer not to receive news	1
Don't know/refused	1

Projected Use of the Road

Over a third (36 percent) of Petersburg/Kupreanof residents feel it is important for Kake residents to have better access to services available in larger communities in the region, while another 35 percent feel better access is somewhat important. Nineteen percent of Petersburg/Kupreanof respondents feel this access is not important.

Importance for Kake Residents of Better Access to Larger Communities in the Region

n=300	% of Base
Very important	36
Somewhat important	35
Not important	19
Don't know/refused	10

On average, respondents anticipate using the road for 1.8 trips to Kake per year. This average includes 53 percent of respondents who do not anticipate taking any trips to Kake on the road.

Anticipated Annual Frequency of Travel on the Road between Kake and Petersburg

n=300	% of Base
Number of trips per year	
1	14
2	11
3-6	12
7-20	3
21+	1
None	53
Don't know/refused	6
Average number of trips per year	1.8 trips

If budget deficits cause the Alaska Marine Highway System (AMHS) to reduce ferry service to Petersburg, 19 percent of respondents anticipate their use of the road to Kake will increase, while 73 percent do not, and 8 percent do not know or did not answer.

Twenty-eight percent of Petersburg/Kupreanof residents report they are very likely to use the new road to access more areas of Kupreanof Island for subsistence and recreation, while 33 percent are somewhat likely, and 38 percent are not likely.

Likelihood of Using the New Road to Access More Areas of Kupreanof Island for Subsistence or Recreational Purposes

n=300	% of Base
Very likely	28
Somewhat likely	33
Not likely	38
Don't know/refused	1

On average, respondents who would use the road for subsistence or recreation anticipate taking an average of 5.4 trips per year on the road for this purpose.

Number of Trips Anticipated on the New Road for Recreational or Subsistence Purposes (Base: Those who would use a new road for subsistence or recreational purposes)

n=182	% of Base
Number of trips per year	
0-3	54
4-5	13
6-20	20
21-30	3
31+	1
Don't know/refused	9
Average number of trips per year	5.4 trips

Opportunities and Concerns

Concerns About the Road

Sixty-three percent of respondents have concerns about the road connection between Kake and Petersburg, while 35 percent do not. Over half (53 percent) of respondents who have concerns are most concerned about the cost, while 22 percent are concerned about road maintenance, 17 percent about environmental impacts, 16 percent about public safety, 10 percent about further loss of AMHS service, and 10 percent about inconvenient shuttle ferry schedules along the route. A smaller proportion of respondents report other top concerns including routes, cheaper power/electricity priority over the road, accidents/drunk driving, drug trafficking/increased drug use/increased crime, and subsistence hunting competition/illegal hunting/poaching.

Top Concerns about the Road between Kake and Petersburg
(Base: Those with concerns about a road connection between Kake and Petersburg)
(Multiple answers allowed)

n=188	% of Base
Cost	53
Road maintenance	22
Environmental impacts	17
Public safety concerns	16
Further loss of AMHS service	10
Inconvenient shuttle ferry schedules	10
Route	4
Cheaper power/electricity priority over the road	4
Accidents/Drunk driving	3
Drug trafficking/increased drug use/increased crime	2
Subsistence hunting competition/illegal hunting/poaching	2
Other	23
Don't know/refused	1

Opportunities Associated with the Road

Fifty-two percent of respondents believe the road connection between Kake and Petersburg will create opportunities for Kake, while 40 percent do not believe it will. Those who do believe the road will create opportunities report the most important opportunities include business sales to Kake residents (45 percent), recreation opportunities (23 percent), subsistence opportunities (23 percent), help for Kake residents (16 percent), and a boost to the economy/job creation (15 percent). Other opportunities identified as most important by a smaller proportion of respondents include increased ease and affordability of visiting family/friends and increased access to medical care.

Most Important Opportunities Associated with the Road between Kake and Petersburg
(Base: Those who believe that a road would create opportunities for Petersburg)
(Multiple answers allowed)

n=155	% of Base
Business sales to Kake residents	45
Recreation opportunities	23
Subsistence opportunities	23
Will help Kake residents	16
Boost economy/create jobs	15
Easier to visit family/friends	8
Cheaper to visit family/friends	3
Increased access to medical care	3
Other	14
Don't know/refused	4

Support for the Kake Access Project

Seventeen percent of Petersburg/Kupreanof respondents were very supportive of the Kake Access Project at the time of the survey, with another 28 percent somewhat supportive. Thirty percent of respondents were very opposed to the project, and 17 percent were somewhat opposed. Five percent were neutral about the project.

Level of Support for a Road Connection between Kake and Petersburg?

n=300	% of Base
Very supportive	17
Somewhat supportive	28
Neutral	5
Somewhat opposed	17
Very opposed	30
Don't know/refused	2

Level of support for the project among Petersburg/Kupreanof residents does not vary greatly by source of information on the project. Sixty-eight percent of residents who report being very supportive to the project cited the newspaper as a source, as did 64 percent of those who are very opposed. Similarly, level of support does not vary much with whether or not respondents feel adequately informed about the project.

Level of Support for the Kake Access Project by Sources of Information on the Project (Multiple answers allowed)

Level of Support	News paper	Radio	Friends/ Family/ Word-of-Mouth	Attended Meeting	News letter	Website/ Internet/ Facebook	TV
Very Supportive (n=47)	68%	49%	43%	15%	6%	6%	2%
Supportive (n=79)	59	32	34	6	9	9	5
Opposed (n=50)	52	38	40	18	10	2	6
Very Opposed (n=90)	64	51	32	19	2	2	4

Support for Kake Access Project by Whether or Not Respondents Feel Adequately Informed (Base: Those who have heard of the Kake Access Project)

	Feel Informed	Do Not Feel Informed	Don't Know
Very supportive (n=47)	53%	40%	6%
Supportive (n=79)	59	33	8
Opposed (n=50)	50	46	4
Very opposed (n=90)	62	31	6

Demographics

Average age of respondents is 57.2 years old, with a median age of 59. Average household size is 2.5 people, average household income is \$79,400, and median income is \$63,000.

The American Community Survey (ACS) 2010-2014 5-Year Data indicates median household income in the Petersburg Borough of \$61,492 (in 2014 inflation-adjusted dollars). ACS data indicates a median age in Petersburg/Kupreanof of 41.8 years, which includes residents of all ages.

Demographics

n=300	% of Base
Gender	
Female	47
Male	52
Age	
18 – 29	5
30 – 44	15
45 – 59	34
60+	46
Average respondent age	57.2 years
Household Size	
1	19
2	48
3	13
4	11
5	6
6+	3
Average household size	2.5 people
Income	
Less than \$15,000	5
\$15,001 – \$25,000	5
\$25,001 – \$50,000	14
\$50,001 – \$75,000	20
\$75,001 – \$100,000	19
\$100,001 – \$125,000	8
\$125,001 – \$150,000	4
Over \$150,000	9
Don't know/refused	16
Average household income	\$79,400

Note: percentages may not sum to 100 due to rounding.

Appendix A: Kake Survey Instrument

Kake Access Household Survey

DATE _____

SURVEY # _____

INTERVIEWER NAME _____

Hi, I'm _____ with the McDowell Group. We are conducting a study to understand the transportation needs of Kake residents. Your participation will help transportation planning for your community. I'd like to ask you a few questions.

1. **First, in what year were you born? 19_____** (If born after 1996, ask for an adult. If none available, thank and end survey.) 1 ☐ Refused (thank and end survey)

2. **Have you heard of the proposed project to construct a road connecting Kake and Petersburg, a project known as Kake Access?**

01 ☐ Yes 02 ☐ No [Skip to Q5a] 03 ☐ Don't know [Skip to Q5a] 04 ☐ Refused [Skip to Q5a]

3. **How have you received information about the Kake Access Project?** (Do not read, check all that apply)

01 ☐ None; haven't received information (Skip to Q5)

02 ☐ Attended meeting

08 ☐ TV

14 ☐

03 ☐ Newsletter

09 ☐ Website/internet/Facebook

15 ☐ Other

04 ☐ Newspaper

10 ☐ Work or used to work there

16 ☐ Don't know

05 ☐ Friend/family/word-of-mouth

11 ☐

17 ☐ Refused

06 ☐ Poster/Flier

12 ☐

07 ☐ Radio

13 ☐

4. **Has the information you've received about Kake Access been very useful, somewhat useful, or not useful?**

01 ☐ Very useful

03 ☐ Not useful

04 ☐ Don't know

02 ☐ Somewhat useful

05 ☐ Refused

5. **Do you feel you are adequately informed about the Kake Access Project?**

01 ☐ Yes

02 ☐ No

03 ☐ Don't know 04 ☐ Refused

5a. Would you like to receive information about the Project

01 ☐ Yes 02 ☐ No [Skip to READ] 03 ☐ Don't know [Skip to READ] 04 ☐ Refused [Skip to READ]

5b. What additional information would you like to receive, if any? (Do not read, check all that apply)

01 ☐ cost 04 ☐ project timeline 07 ☐ None;
02 ☐ road maintenance 05 ☐ 08 ☐ Don't know 09 ☐ Refused
03 ☐ environmental impacts 06 ☐ Other _____

5c. Through which of the following methods would you prefer to receive news about the Kake Access Project? (Read 1-5, check all that apply)

01 ☐ Mailed newsletter 04 ☐ DOTPF website 07 ☐ None; would prefer not to receive news
02 ☐ Emailed newsletter 05 ☐ Informational meetings 08 ☐ Don't know 09 ☐ Refused
03 ☐ Facebook 06 ☐ Other _____

READ: The purpose of the Kake Access project is to provide residents with more frequent, faster, and cost effective access to services such as medical visits and shopping available in larger communities in the region.

6. Do you think it is very important, somewhat important, or not important that Kake residents have better access to the services available in larger communities in the region?

01 ☐ Very important 03 ☐ Not important 04 ☐ Don't know
02 ☐ Somewhat important 05 ☐ Refused

READ: Kake Access improvement alternatives have been narrowed to two road options. Both include a combination of existing logging roads, new roads, and new ferry terminals and shuttle ferries. The shuttle ferries would make multiple trips daily and would allow you to make a round trip in one day, including time for shopping in Petersburg. The road would be maintained year-round.

A new road and shuttle ferry would make it possible to travel to Petersburg for a total one-way cost for a car and driver of about \$30 to \$40 including gas and ferry tickets, with a total one-way travel time of about 3 to 4 hours.

7. If a road were built how many times per year would you use it to travel to or through Petersburg? Your best guess is fine.

_____ Times per year 02 ☐ Don't know
01 ☐ Zero 03 ☐ Refused

8. Budget deficits are requiring the Alaska Marine Highway System to reduce ferry service to most communities. Would a decrease in Marine Highway service to Kake increase your use of a road to Petersburg, if a road were available?

01 ☐ Yes 02 ☐ No 03 ☐ Don't know 04 ☐ Refused

9. A new road out of Kake would increase access to more areas of Kupreanof Island. How likely would you be to use some portion of a new road for subsistence or recreational purposes?

01 ☐ Very Likely 04 ☐ Don't know (Skip to Q10)
02 ☐ Somewhat Likely 05 ☐ Refused (Skip to Q10)
03 ☐ Not Likely (Skip to Q10)

9a. About how many trips on the new road do you think you would take annually for recreational or subsistence purposes? _____ trips 1 ☐ Don't know/refused

10. A road connection between Kake and Petersburg could have a range of opportunities and concerns. Do you have concerns about a road connection between Kake and Petersburg?

01 ☐ Yes 02 ☐ No 03 ☐ Don't know (skip to Q11) 04 ☐ Refused (skip to Q11)

10a. (If yes) What concerns you most? (Do not read; check all that apply, Probe)

01 ☐ Further loss of AMHS service 04 ☐ Inconvenient shuttle ferry schedules 07 ☐ Don't know
02 ☐ Too many new people coming 05 ☐ I don't own a vehicle 08 ☐ Refused
03 ☐ Winter safety concerns 06 ☐ Other _____

11. Do you believe a road would create opportunities for Kake?

01 ☐ Yes 02 ☐ No 03 ☐ Don't know (skip to Q12) 04 ☐ Refused (skip to Q12)

11a. (If yes) What are the most important opportunities? (Do not read; check all that apply, Probe)

01 ☐ More jobs 04 ☐ Cheaper power 07 ☐ Don't know
02 ☐ Easier to get out of Kake 05 ☐ Cheaper groceries and other goods 08 ☐ Refused
03 ☐ Cheaper to get out of Kake 06 ☐ Access to new subsistence areas 09 ☐ Other _____

12 Based on what you currently know about the Kake Access project, are you very supportive, somewhat supportive, somewhat opposed, or very opposed to a road connection between Kake and Petersburg?

01 ☐ Very supportive 03 ☐ Neutral (do not read) 05 ☐ Very opposed 06 ☐ Don't know
02 ☐ Somewhat supportive 04 ☐ Somewhat opposed 07 ☐ Refused

13. Including yourself, how many people live in your household at least nine months a year?

_____ 1 ☐ Refused

14. And for my last question, please point to the category that best describes your total combined household income before taxes in the year 2014. This information is used to help us make sure we have a good cross section of the community included in the survey.

01 ☐ Less than \$15,000 04 ☐ \$50,001 to \$75,000 07 ☐ \$125,001 to \$150,000
02 ☐ \$15,001 to \$25,000 05 ☐ \$75,001 to \$100,000 08 ☐ Over \$150,000
03 ☐ \$25,001 to \$50,000 06 ☐ \$100,001 to \$125,000 09 ☐ Refused

Thank you for participating in this important project!

Are there any other adults in your household that I can speak with about this survey?

Appendix B: Petersburg Survey Instrument

Kake Access Petersburg Household Telephone Survey

PHONE # _____

SURVEY # _____

INTERVIEWER NAME _____

DATE _____

Cell/landline

Hi, I'm _____ with the McDowell Group. We are conducting a study to understand the transportation needs of Petersburg residents. Your participation will help transportation planning for your community. I'd like to ask you a few questions.

1. **First, in what year were you born? 19_____** (If born after 1996, ask for an adult. If none available, thank and end survey.) ☐ Refused (thank and end survey)

2. **Have you heard of the proposed project to construct a road connecting Kake and Petersburg, known as Kake Access?**

01 ☐ Yes 02 ☐ No [Skip to Q5a] 03 ☐ Don't know [Skip to Q5a] 04 ☐ Refused [Skip to Q5a]

3. **How have you received information about the Kake Access Project?** (Do not read, check all that apply)

01 ☐ None; haven't received information (Skip to Q5)

02 ☐ Attended meeting

08 ☐ TV

14 ☐

03 ☐ Newsletter

09 ☐ Website/internet/Facebook

15 ☐ Other

04 ☐ Newspaper

10 ☐ Work or used to work there

16 ☐ Don't know

05 ☐ Friend/family/word-of-mouth

11 ☐

17 ☐ Refused

06 ☐ Poster/Flier

12 ☐

07 ☐ Radio

13 ☐

4. **Has the information you've received about Kake Access been very useful, somewhat useful, or not useful?**

01 ☐ Very useful

03 ☐ Not useful

04 ☐ Don't know

02 ☐ Somewhat useful

05 ☐ Refused

5. **Do you feel you are adequately informed about the Kake Access Project?**

01 ☐ Yes

02 ☐ No

03 ☐ Don't know

04 ☐ Refused

5a. **Would you like to receive information about the Project**

01 ☐ Yes

02 ☐ No [Skip to READ]

03 ☐ Don't know [Skip to READ]

04 ☐ Refused [Skip to READ]

5b. What additional information would you like to receive, if any? (Do not read, check all that apply)

- | | | |
|---|--|--|
| 01 <input type="checkbox"/> Cost | 04 <input type="checkbox"/> Project timeline | 07 <input type="checkbox"/> Don't know |
| 02 <input type="checkbox"/> Road maintenance | 05 <input type="checkbox"/> None | 08 <input type="checkbox"/> Refused |
| 03 <input type="checkbox"/> Environmental impacts | 06 <input type="checkbox"/> Other _____ | |

5c. Through which of the following methods would you prefer to receive news about the Kake Access Project? (Read 1-5, check all that apply)

- | | | | |
|--|--|--|-------------------------------------|
| 01 <input type="checkbox"/> Mailed newsletter | 04 <input type="checkbox"/> DOTPF website | 07 <input type="checkbox"/> None; would prefer not to receive news | |
| 02 <input type="checkbox"/> Emailed newsletter | 05 <input type="checkbox"/> Informational meetings | 08 <input type="checkbox"/> Don't know | 09 <input type="checkbox"/> Refused |
| 03 <input type="checkbox"/> Facebook | 06 <input type="checkbox"/> Other _____ | | |

READ: The primary purpose of the Kake Access project is to provide Kake residents with more frequent, faster, and cost effective access to services such as medical visits and shopping available in larger communities in the region.

6. Do you think it is very important, somewhat important, or not important that Kake residents have better access to the services available in larger communities in the region?

- | | | |
|--|---|--|
| 01 <input type="checkbox"/> Very important | 03 <input type="checkbox"/> Not important | 04 <input type="checkbox"/> Don't know |
| 02 <input type="checkbox"/> Somewhat important | 05 <input type="checkbox"/> Refused | |

READ: Kake Access improvement alternatives have been narrowed to two road options. Both include a combination of existing logging roads, new roads, and new ferry terminals and shuttle ferries. The shuttle ferries would make multiple trips daily and would allow round trips in one day between Kake and Petersburg. The road would be maintained year-round.

A new road and shuttle ferry would make it possible to travel to Kake for a total one-way cost for a car and driver of about \$30 to \$40 including gas and ferry tickets, with a total one-way travel time of about 3 to 4 hours.

7. If a road were built how many times per year would you use it to travel to Kake? Your best guess is fine.

- | | |
|----------------------------------|--|
| _____ Times per year | 02 <input type="checkbox"/> Don't know |
| 01 <input type="checkbox"/> Zero | 03 <input type="checkbox"/> Refused |

8. Budget deficits are requiring the Alaska Marine Highway System to reduce ferry service to most communities. Would a decrease in Marine Highway service to Petersburg increase your use of a road to Kake, if a road were available?

- | | | | |
|---------------------------------|--------------------------------|--|-------------------------------------|
| 01 <input type="checkbox"/> Yes | 02 <input type="checkbox"/> No | 03 <input type="checkbox"/> Don't know | 04 <input type="checkbox"/> Refused |
|---------------------------------|--------------------------------|--|-------------------------------------|

9. A new road to Kake would increase access to more areas of Kupreanof Island. How likely would you be to use some portion of a new road for subsistence or recreational purposes?

- | | |
|--|--|
| 01 <input type="checkbox"/> Very Likely | 04 <input type="checkbox"/> Don't know (Skip to Q10) |
| 02 <input type="checkbox"/> Somewhat Likely | 05 <input type="checkbox"/> Refused (Skip to Q10) |
| 03 <input type="checkbox"/> Not Likely (Skip to Q10) | |

15a. About how many trips on the new road do you think you would take annually for recreational or subsistence purposes? _____ trips ☐ Don't know/refused

10. A road connection between Kake and Petersburg could have a range of opportunities and concerns. Do you have concerns about a road connection between Kake and Petersburg?

☐ Yes ☐ No ☐ Don't know (skip to Q11) ☐ Refused (skip to Q11)

10a. (If yes) What concerns you most? (Do not read; check all that apply, Probe)

☐ Further loss of AMHS service ☐ Inconvenient shuttle ferry schedules ☐ Don't know
☐ Environmental impacts ☐ Cost ☐ Refused
☐ Public safety concerns ☐ Other _____

11. Do you believe a road would create opportunities for Petersburg?

☐ Yes ☐ No ☐ Don't know (skip to Q12) ☐ Refused (skip to Q12)

11a. (If yes) What are the most important opportunities? (Do not read; check all that apply, Probe)

☐ Recreation opportunities ☐ Business sales to Kake residents ☐ Don't know
☐ Easier to visit family/friends ☐ Subsistence opportunities ☐ Refused
☐ Cheaper to visit family/friends ☐ Will help Kake residents ☐ Other

12 Based on what you currently know about the Kake Access project, are you very supportive, somewhat supportive, somewhat opposed, or very opposed to a road connection between Kake and Petersburg?

☐ Very supportive ☐ Neutral (do not read) ☐ Very opposed ☐ Don't know
☐ Somewhat supportive ☐ Somewhat opposed ☐ Refused

13. Including yourself, how many people live in your household at least nine months a year?

_____ ☐ Refused

14. And for my last question, please stop me at the category that best describes your total combined household income before taxes in the year 2013.

☐ Less than \$15,000 ☐ \$50,001 to \$75,000 ☐ \$125,001 to \$150,000
☐ \$15,001 to \$25,000 ☐ \$75,001 to \$100,000 ☐ Over \$150,000
☐ \$25,001 to \$50,000 ☐ \$100,001 to \$125,000 ☐ Refused

Thank you for participating in this important project!

Combined Kake/Petersburg Tables

For comparison, Kake and Petersburg community survey results are provided in combined tables in the appendix by question.

Sources of information on the Kake Access Project
(Base: Those who have heard of the Kake Access Project)
(Multiple answers allowed)

	Kake % of Base n=187	Petersburg % of Base n=285
Newspaper	2	60
Radio	1	41
Friend/family/word-of-mouth	68	36
Attended meeting	12	15
Newsletter	12	6
Website/internet/Facebook	7	6
TV	1	5
Work or use to work there	1	2
Poster/flier	11	1
Mail	4	--
Organized Village of Kake	3	--
None; haven't received information	1	3
Other	6	1
Don't know/refused	3	1

Usefulness of Information Received on Kake Access
(Base: Those who have received information on the Kake Access Project)

	Kake % of Base n=185	Petersburg % of Base n=277
Very useful	14	19
Somewhat useful	59	60
Not useful	23	13
Don't know/refused	4	8

Additional Information Desired About the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

	Kake % of Base n=110	Petersburg % of Base n=125
Cost	46	42
Project timeline	56	26
General information	5	22
Road maintenance	43	18
Environmental impacts	43	17
Route/length	7	15
Survey results	6	--
Purpose/usage	6	14
Pros/cons	5	--
None	1	1
Other	21	24
Don't know/refused	4	6

Preferred Methods for Receiving News about the Kake Access Project
(Base: Those who would like to receive more information on the Kake Access Project)
(Multiple answers allowed)

	Kake % of Base n=110	Petersburg % of Base n=124
Mailed newsletter	61	46
Emailed newsletter	35	40
DOTPF website	3	15
Informational meetings	15	14
Facebook	7	8
Newspaper	--	6
Radio	--	5
Other	--	2
None; would prefer not to receive news	1	1
Don't know/refused	1	1

Importance for Kake Residents of Better Access to Larger Communities in the Region

	Kake % of Base n=195	Petersburg % of Base n=300
Very important	25	36
Somewhat important	21	35
Not important	49	19
Don't know/refused	5	10

Anticipated Annual Frequency of Travel on the Road between Kake and Petersburg

	Kake % of Base n=195	Petersburg % of Base n=300
Number of trips per year		
1	5	14
2	6	11
3-6	9	12
7-20	10	3
21+	14	1
None	48	53
Don't know/refused	7	6
Average number of trips per year	7.0 trips	1.8 trips

Likelihood of Using the New Road to Access More Areas of Kupreanof Island for Subsistence or Recreational Purposes

	Kake % of Base n=195	Petersburg % of Base n=300
Very likely	30	28
Somewhat likely	21	33
Not likely	45	38
Don't know/refused	4	1

Number of Trips Anticipated on the New Road for Recreational or Subsistence Purposes (Base: Those who would use a new road for subsistence or recreational purposes)

	Kake % of Base n=195	Petersburg % of Base n=182
Number of trips per year		
0-3	16	54
4-5	22	13
6-20	20	20
21-30	14	3
31+	14	1
Don't know/refused	14	9
Average number of trips per year	16.6 trips	5.4 trips

Top Concerns about the Road between Kake and Petersburg
(Base: Those with concerns about a road connection between Kake and Petersburg)
(Multiple answers allowed)

	Kake % of Base n=195	Petersburg % of Base n=188
Cost	--	53
Road maintenance	9	22
Environmental impacts	--	17
Public safety concerns	--	16
Further loss of AMHS service	7	10
Inconvenient shuttle ferry schedules	3	10
Route	--	4
Cheaper power/electricity priority over the road	--	4
Accidents/Drunk driving	13	3
Drug trafficking/increased drug use/increased crime	36	2
Subsistence hunting competition/illegal hunting/poaching	18	2
Too many new people coming	31	--
Winter safety concerns	21	--
Increase law enforcement (VPSO/Troopers)	4	--
I don't own a vehicle	1	--
Other	20	23
Don't know/refused	--	1

Most Important Opportunities Associated with the Road between Kake and Petersburg
(Base: Those who believe that a road would create opportunities for Petersburg)
(Multiple answers allowed)

n=155	% of Base
Business sales to Kake residents	45
Recreation opportunities	23
Subsistence opportunities	23
Will help Kake residents	16
Boost economy/create jobs	15
Easier to visit family/friends	8
Cheaper to visit family/friends	3
Increased access to medical care	
Other	14
Don't know/refused	4

Level of Support for a Road Connection between Kake and Petersburg?

	Kake % of Base n=195	Petersburg % of Base n=300
Very supportive	16	17
Somewhat supportive	20	28
Neutral	2	5
Somewhat opposed	13	17
Very opposed	47	30
Don't know/refused	2	2

Demographics

	Kake % of Base n=195	Petersburg % of Base n=300
Gender		
Female	48	47
Male	50	52
Age		
18 – 29	16	5
30 – 44	26	15
45 – 59	30	34
60+	28	46
Average respondent age	48.8 years	57.2 years
Household Size		
1	8	19
2	24	48
3	27	13
4	17	11
5	9	6
6+	14	3
Average household size	3.6 people	2.5 people
Income		
Less than \$15,000	10	5
\$15,001 – \$25,000	18	5
\$25,001 – \$50,000	12	14
\$50,001 – \$75,000	8	20
\$75,001 – \$100,000	6	19
\$100,001 – \$125,000	1	8
\$125,001 – \$150,000	2	4
Over \$150,000	1	9
Don't know/refused	42	16
Average household income	\$42,600	\$79,400

Note: percentages may not sum to 100 due to rounding.